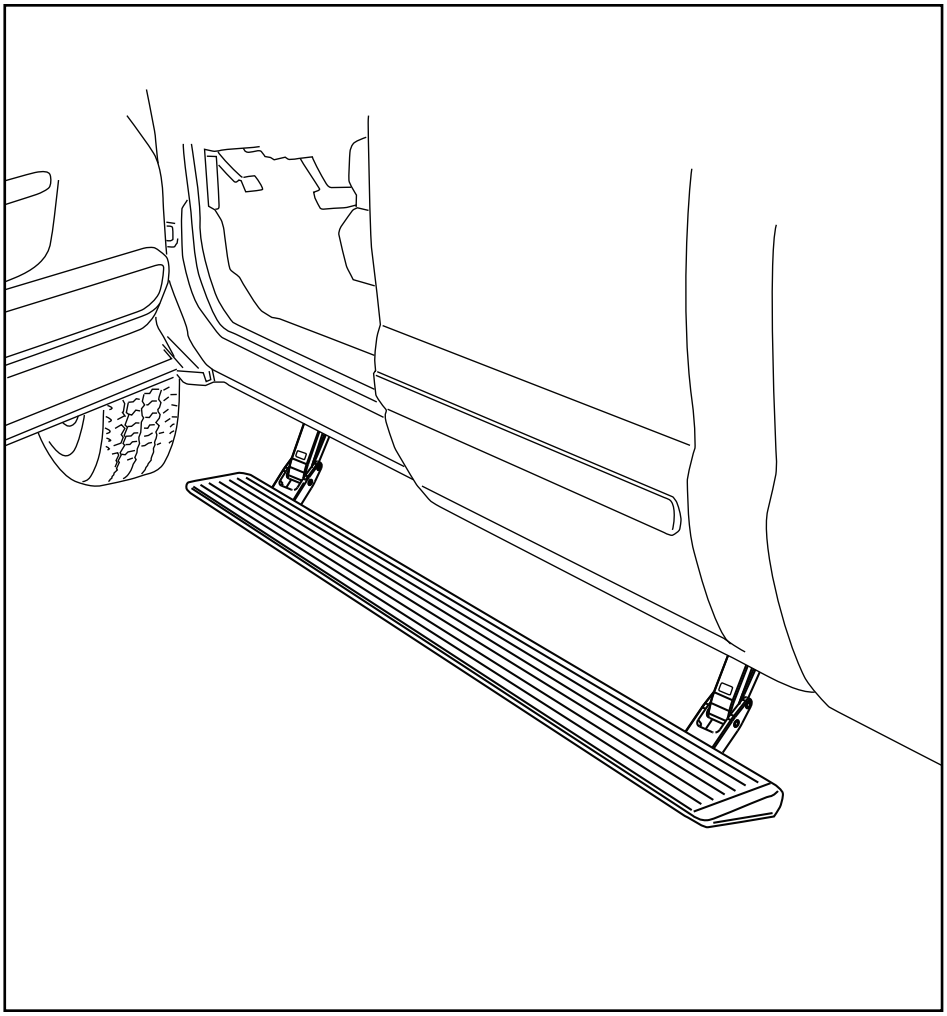
INSTALLATION GUIDE

AMP RESEARCH PowerStep

MADE IN USA

APPLICATION	LENGTH	MODEL YR	PART #
Ford F150 SuperCab	72”’	2009 - up	75141-01A
Ford F150 SuperCrew	79”	2009 - up	75141-01A



INSTALLATION TIME

3 - 5 hrs

SKILL LEVEL

1 2 3 **4**

4= Experienced

TOOLS REQUIRED

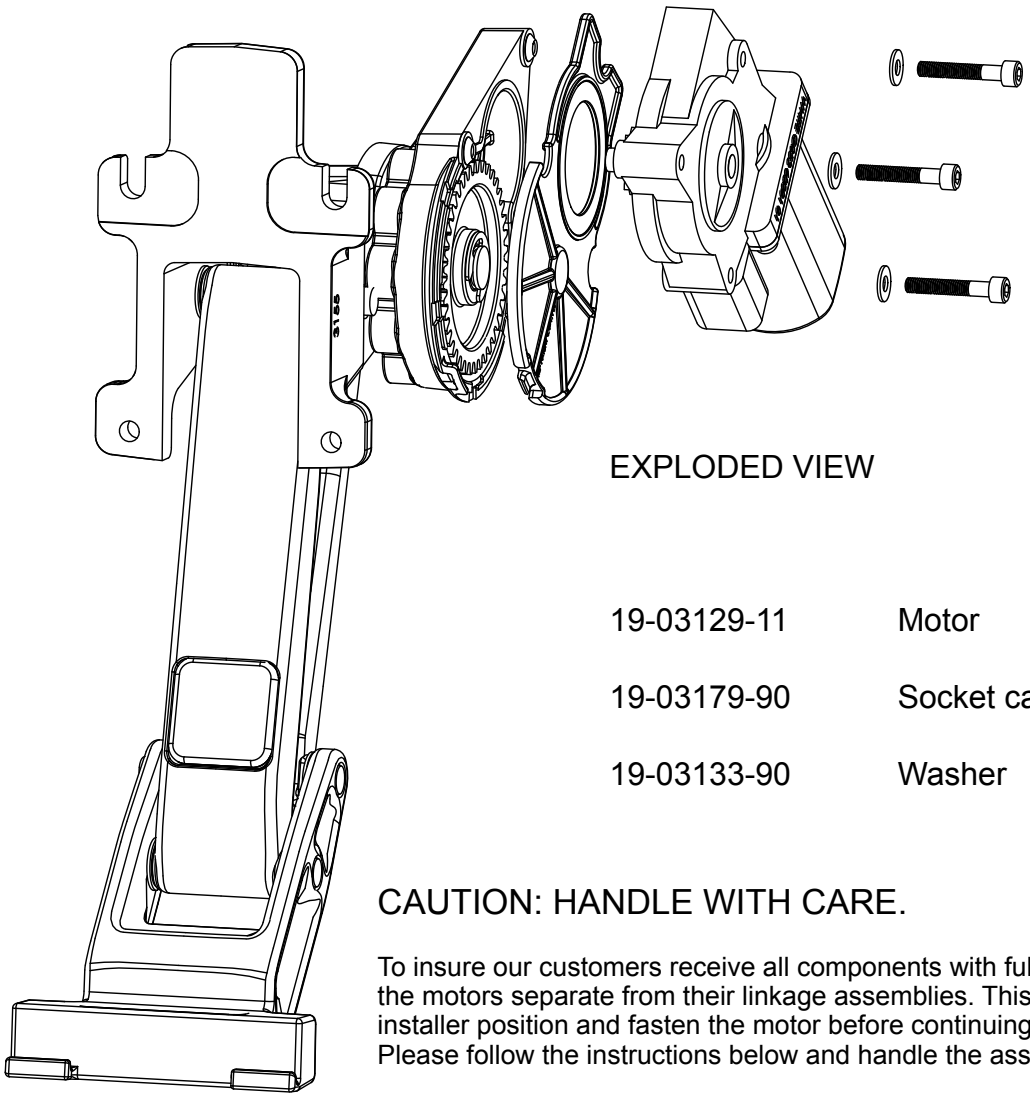
- ❑ Safety goggles
- ❑ 8 mm socket
- ❑ 10 mm socket
- ❑ 13 mm socket
- ❑ 13 mm end wrench
- ❑ Ratchet wrench and extension
- ❑ Wire stripper
- ❑ 3/16” hex key wrench (allen wrench)
- ❑ 4mm hex key wrench (allen wrench)
- ❑ Electrical tape
- ❑ Weather proof caulking (silicone sealer)

AMP RESEARCH TECH SUPPORT 1-888-983-2204 (Press 2) Monday - Friday, 6:00 AM - 5:00 PM PST

Designed and manufactured by AMP Research®. Patent Number 6,830,257; 6,641,158; 6,834,875; 6,938,909; 6,942,233; 7,007,961; 7,055,839; 7,163,221; 7,367,574; 7,380,807; 7,398,985; 7,413,204; 7,487,986. Other US and Worldwide patents pending. Made in USA © 2010 AMP Research
5-year limited warranty. Professional installation is recommended.

INSTALLATION GUIDE
Attaching motor to linkage assembly

The motors must be attached to the linkage assemblies before continuing the installation process.



EXPLODED VIEW

19-03129-11	Motor
19-03179-90	Socket cap screw
19-03133-90	Washer

CAUTION: HANDLE WITH CARE.

To insure our customers receive all components with full integrity, we pack the motors separate from their linkage assemblies. This requires that the installer position and fasten the motor before continuing with the install. Please follow the instructions below and handle the assembly carefully.

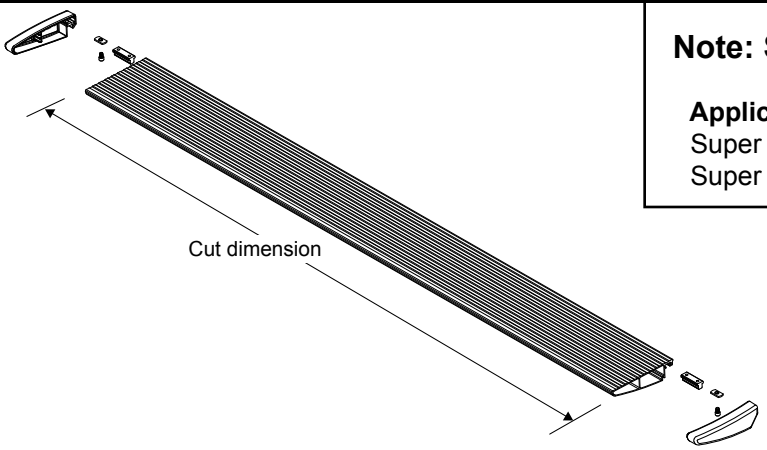
CAUTION: Dropping the assembly or any excessive impact MAY cause damage to the motor.

Instructions:

1. Position the gear cover in place as shown if not already in place.

2. Seat motor into position on the three mounting bosses. This may require an adjustment of the gear by moving the swing arms.

3. After seating into place, fasten the motor with the three motor mount screws with T30 Torx. Tighten screws to 80 in-lbs (9N-m). Do not over torque.

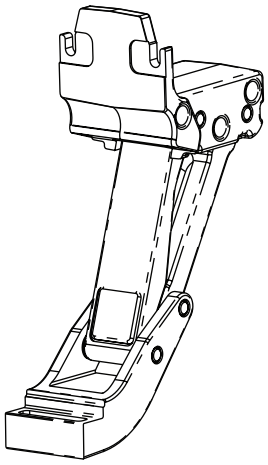


Note: Some Applications require modification.

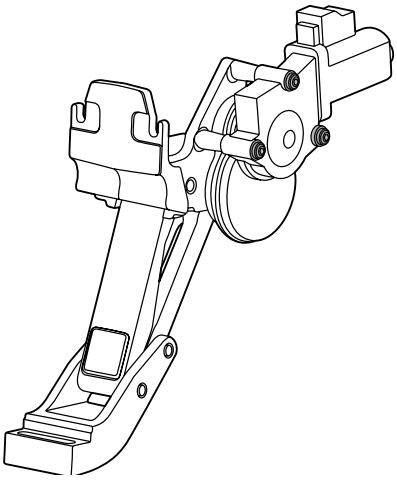
Application	Cut Length
Super Crew	79” (No Modification Required)
Super Cab	72” (Trim 7”)

(1) x2
20-03314-XX
Running board assembly

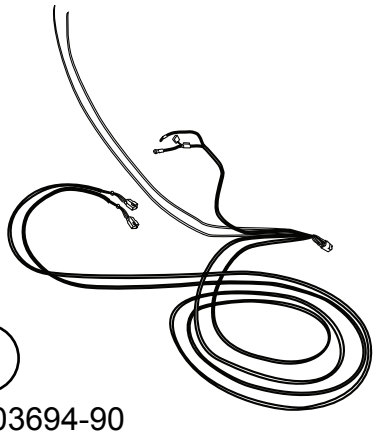
(A) 19-03225-11 End cap left (x1)
(B) 19-03225-12 End cap right (x1)
(C) 19-02663-90 T-nut insert (x2)
(D) 19-03236-90 Socket cap screw (x2)
(E) 19-03237-90 Nut plate (x2)



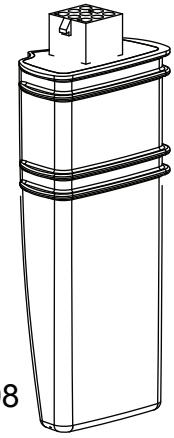
(2) x2
10-03007-11
Idler linkage assembly



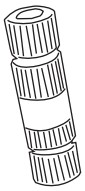
(3) x2
10-03006-11
Motor linkage assembly



(4)
19-03694-90
Wire harness

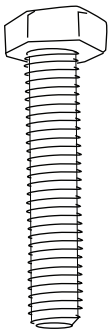


(5)
19-03297-98
Controller

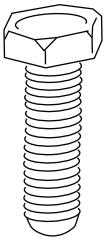


(6) x4
19-03354-90
Posi-Tap™ (Red/Grey)

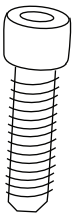
PARTS LIST AND HARDWARE IDENTIFICATION



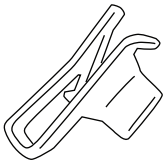
(7) x8
19-02487-90
Hex bolt



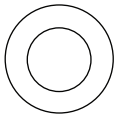
(8) x 8
19-02849-90
Hex Bolt



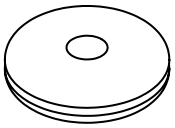
(9) x8
19-02802-90
Socket cap screw



(11) x8
19-02488-90
U-nut

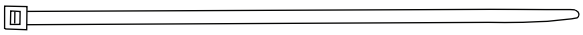


(12) x16
16-03014-90
Washer Black



(13)
19-03699-90
Grommet

(14) x25
19-02805-90
Cable Ties 7”

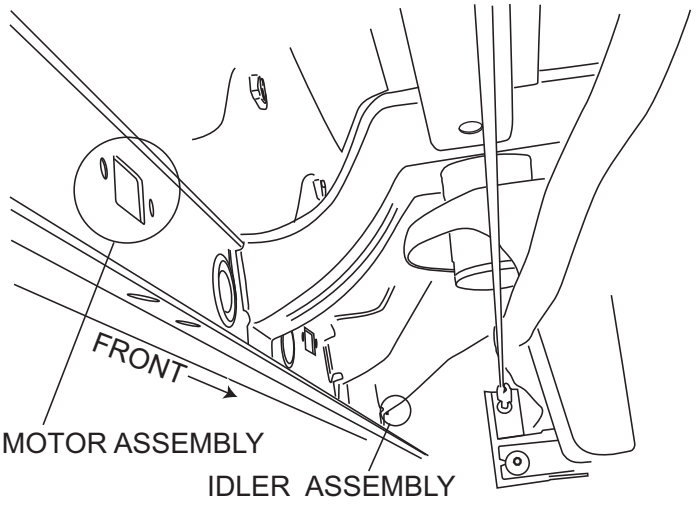


(15) x2
19-03339-90
Cable Ties 11”

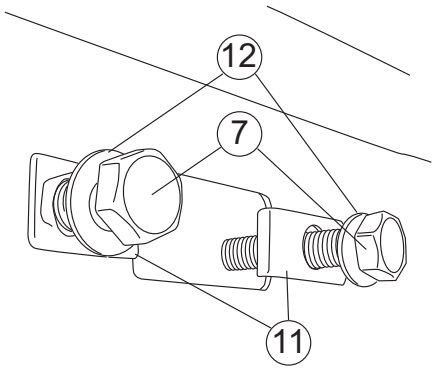
Locate mounting points; first and last set of holes on the inner sill.

Motor Linkage mounts toward the rear of the truck, with the exception of the passenger side on SuperCab trucks. Mount the motor linkage in front on the passenger side of SuperCab trucks. On SuperCab trucks tie up extra wire with supplied wire ties. **Light wires will need to be pulled out of the harness to allow lights to be installed in proper position.**

1

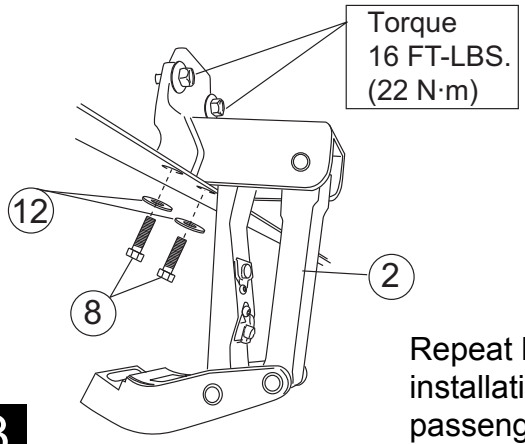


Install J-clips and start bolts with washers installed.



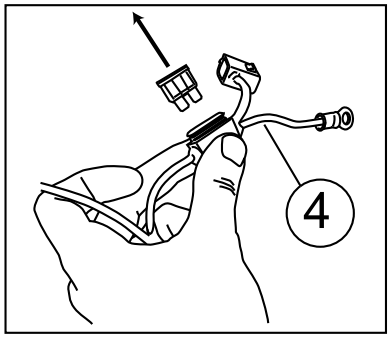
2

Mount idler assembly and motor assembly. Note: Filing of sheet metal edge may be required if the sheet metal holes are misaligned.



Repeat linkage installation on passenger side

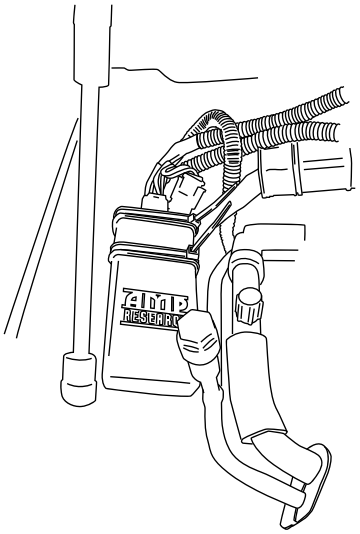
3



Remove fuse from wire harness

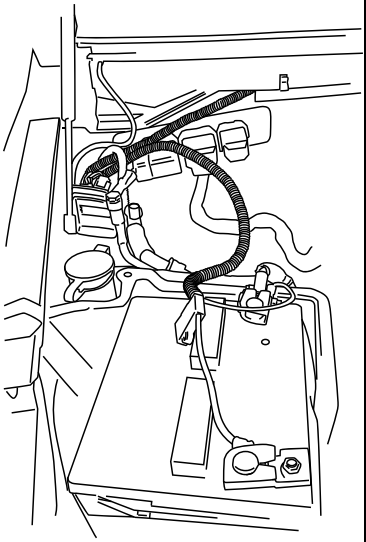
4

Attach wire harness to controller (make sure connector locking tabs fully engage). Mount controller with the two 11” tie wraps to factory conduit.



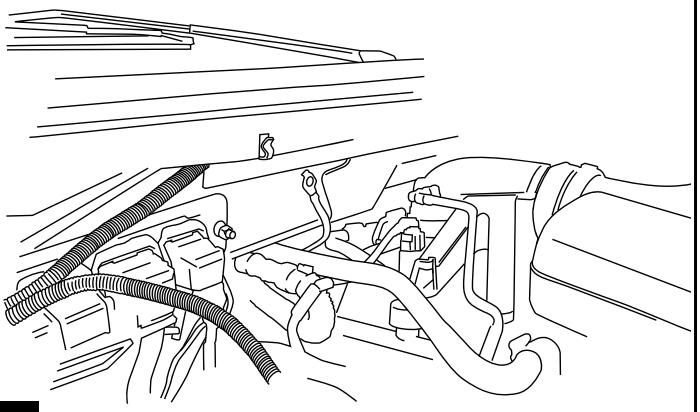
5

Connect red and black power leads to battery. Red lead goes to positive. Route shorter leg of harness down passenger-side wheel well.



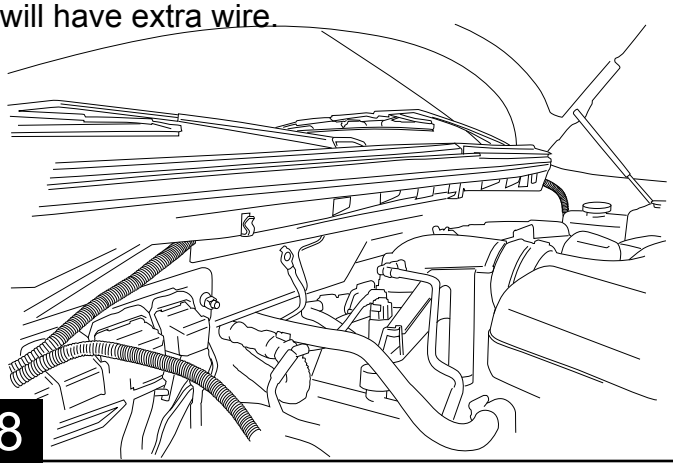
6

Route longer wire harness leg across firewall through plastic cowling to driver side.



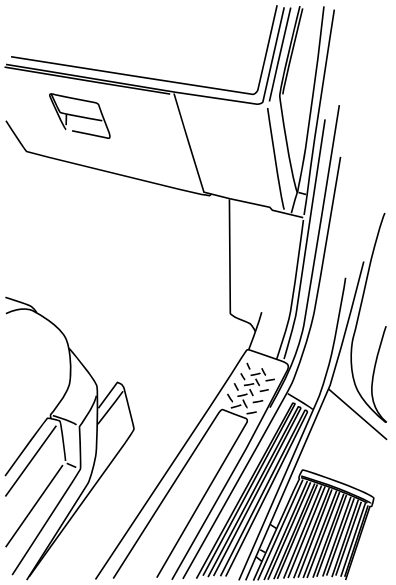
7

Route longer leg of harness down along driver-side wheel well and along frame of vehicle. Secure with tie wraps. NOTE:Super Cab models will have extra wire.



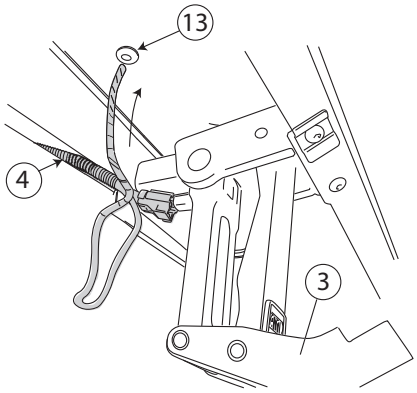
8

Remove passenger side front kick panel and door sill plate. Roll back carpet to access hole for grommet installation.



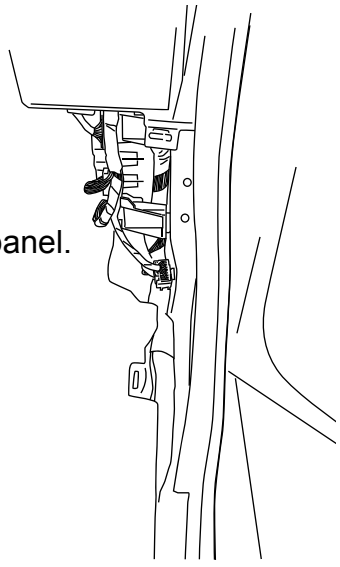
9

Remove tape from 3/4” hole in floor panel above front linkage on passenger side and insert grommet. Thread all four trigger wires through grommet up into the cabin of vehicle. Seal grommet with silicone sealer.



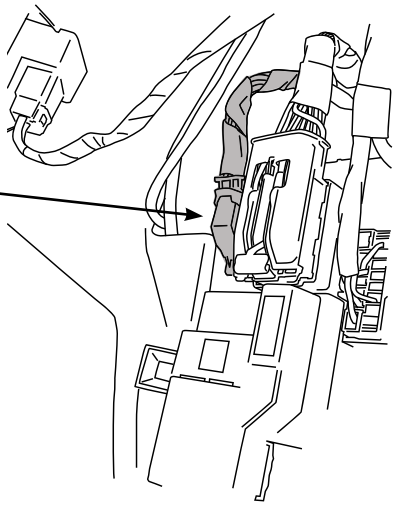
10

Wiring connections are located under the passenger side kick panel.



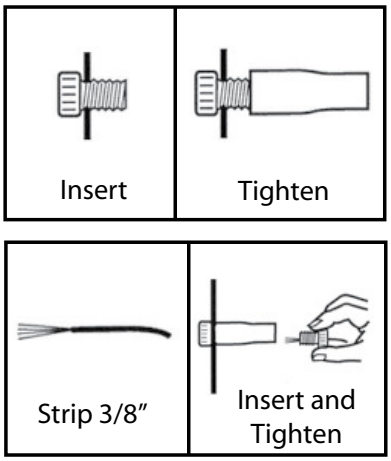
11

Locate this connector and unplug for improved access during wire connection. Plug color may vary from model years.



12

Posi-Tap instrutions



13

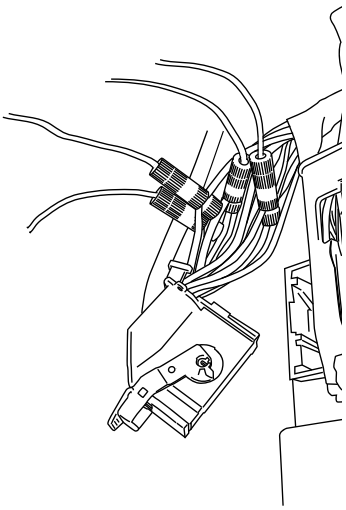
Using supplied Posi-Tap connectors, connect Power Step trigger wires to like colored wires in factory wire harness as shown in step 15.

	SuperCrew	SuperCab
Driver Front	Green/Violet	Green/Violet
Pass. Front	White	White
Driver Rear	Green	
Pass. Rear	Yellow	

For SuperCab models connect the two extra trigger wires to the same wires listed above, Green connects to Green/Violet and Yellow connects to White.

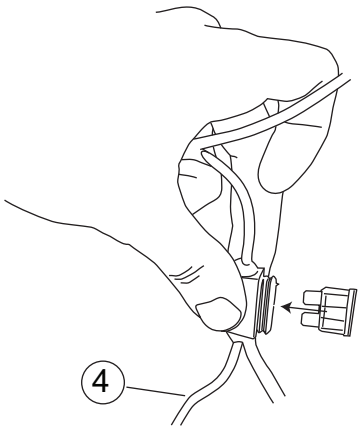
14

Make certain each Posi-Tap is making positive contact with the copper wire inside the insulation. Re-connect factory wire harness from step 12.

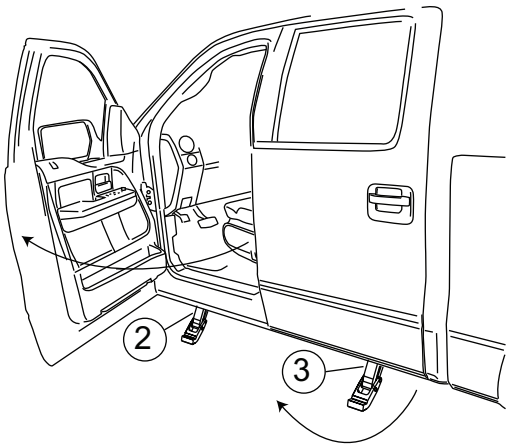


15

Replace fuse.



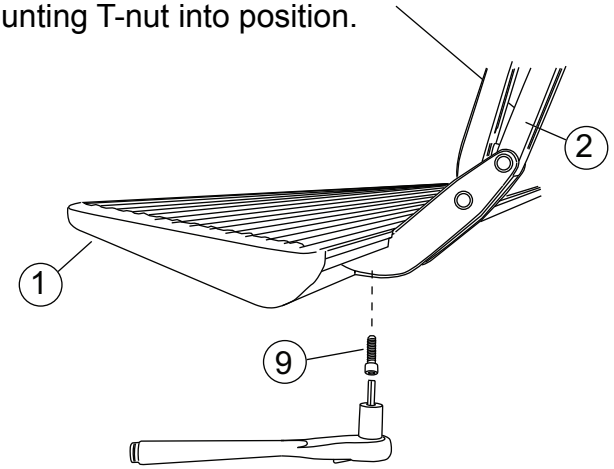
16



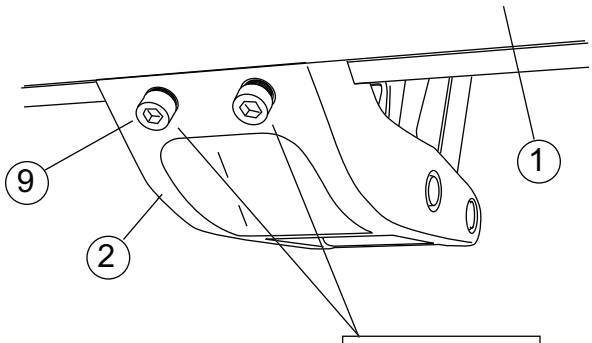
Open doors to extend drive linkage assembly (if not already extended).

17

Attach step, sliding the mounting T-nut into position.



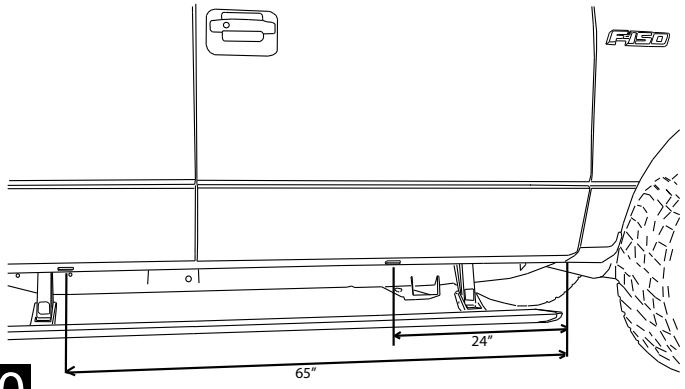
18



Torque
10 ft-lbs.
(13.5 Nm)

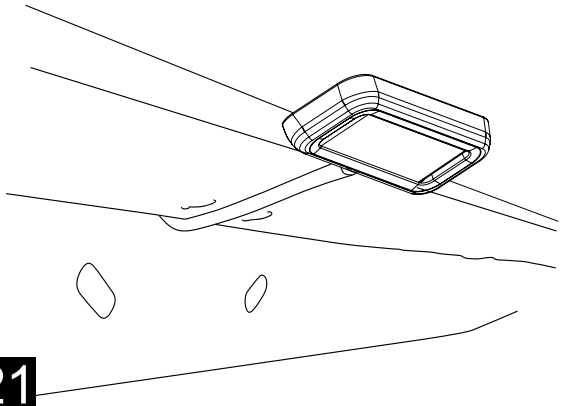
19

On each side of the vehicle measure from the front edge of door line on the pinch weld to the specified lengths below. Measure at 20” for front LED Light and 60” for rear LED Light.



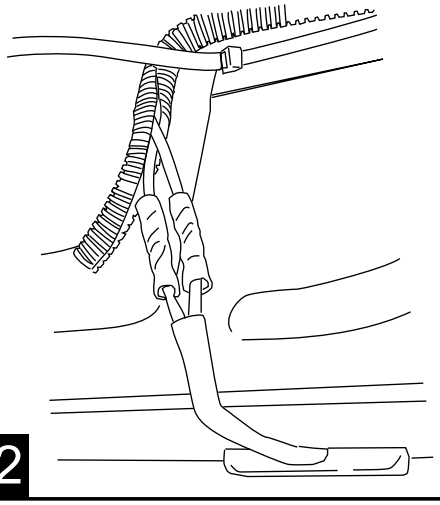
20

Affix lamps to rocker panel surface. Make sure the lamp is affixed to a clean, flat surface. There is a step down midway across the surface. Affix lamp just outside of step down.



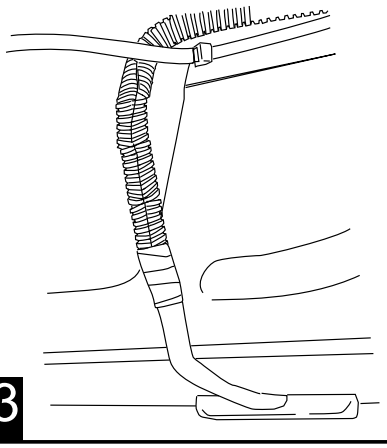
21

Using supplied butt connectors, connect the lamp wires. Red to Red, Black to Black



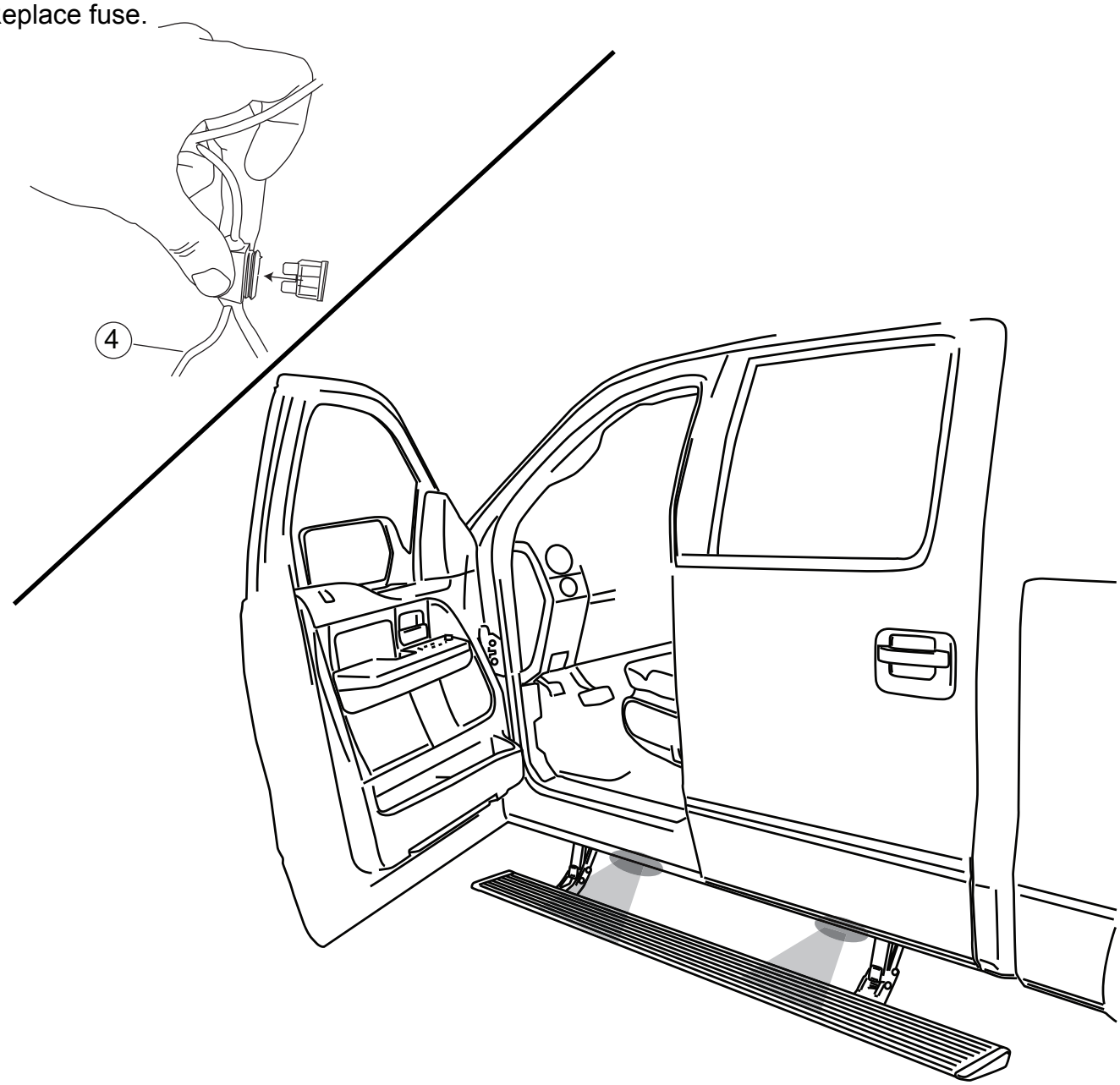
22

Close and wrap with conduit and electrical tape. Secure all loose wires with cable ties, with lamp wires pulled upward to avoid any wire snagging.



23

Replace fuse.



FINAL SYSTEM CHECK

Check that all doors activate the PowerStep and the LED lights work when doors open and close.

NORMAL OPERATION: When the doors open, PowerStep automatically deploys from under the vehicle. When the doors are closed, PowerStep will automatically return to the stowed/retracted position. ***Note that there is a 2-second delay before the PowerStep returns to the stowed/retracted position.***

CORRECT OPERATION OF LIGHTS: All four lamps will illuminate upon opening any door of vehicle. Lamps will stay on until restowing of both Power Steps or until 5 minutes has expired with the doors open. When the lights timeout after 5 minutes, they can be reillumintated by closing and opening any door of vehicle.

AMP RESEARCH PowerStep™

Congratulations on your purchase of the genuine AMP Research PowerStep! Here's what you should know...

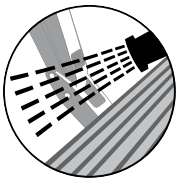
POWER-DEPLOYABLE RUNNING BOARDS OPERATION: AMP Research PowerStep running boards automatically move when the doors are opened to assist entering and exiting the vehicle.

Automatic power deploy:
The running boards will extend down and out when the doors are opened.

Automatic power stow:
The running boards will return to the stowed position when the doors are closed. There will be a 2-second delay before the running boards move to the stowed position.

Automatic stop:
If an object is in the way of the moving running board, the running board will automatically stop. To reset, clear any obstruction, then simply open and close the door to resume normal operation.

Manually set in the deployed (OUT) position for access to the roof:
The running boards can be manually set in the deployed position by firmly holding the step down with your foot while at the same time closing the door. To resume normal operation, open and close the door.



Maintenance: In adverse conditions, debris such as mud, dirt, and salt may become trapped in the running board mechanism, possibly leading to unwanted noise. If this occurs, manually set the running boards to the deployed position and flush the front and rear hinge arms with a high-pressure car wash wand. Avoid spraying the motors directly. After washing, apply silicone spray lubricant to the hinge pivot pins. Do not apply silicone, wax or protectants like Armor All® to the running board stepping surface.

Caution! Keep hands away when the running board is in motion.

5-YEAR LIMITED WARRANTY

AMP RESEARCH warrants this product to be free from defects in material and workmanship for FIVE (5) YEARS FROM DATE OF PURCHASE, provided there has been normal use and proper maintenance. This warranty applies to the original purchaser only. All remedies under this warranty are limited to the repair replacement of the product itself, or the repair or replacement of any component part thereof, found by the factory to be defective within the time period specified. The decision to repair or replace is wholly within the discretion of the manufacturer.

This warranty specifically excludes labor. If you have a warranty claim, first you must call our factory at the number below for instructions. You must retain proof of purchase and submit a copy with any items returned for warranty work. Upon completion of warranty work, if any, we will return the repaired or replaced item or items to you freight prepaid. Damage to our products caused by accidents, fire, vandalism, negligence, misinstallation, misuse, Acts of God, or by defective parts not manufactured by us, is not covered under this warranty.

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Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

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WARNING

Be sure to read and precisely follow the provided instructions when installing this product. Failure to do so could place the vehicle occupants in a potentially dangerous situation. After installing or reinstalling, re-check to insure that the product is properly installed.